Annual Author Index: 2000

Ahmad, I. 152
Ahn, J.-H. 524
Akl, S. G. 290
Alagić, S. 491
Ali, F. M. 152
Amati, G. 1
Ashman, H. L. 345

Baumgartner, G. 469
Berkovich, S. Y. 54
Bernardeschi, C. 191
Berry, M. W. 107
Bhowmick, S. S. 364
Borghuis, T. 274
Bruel, J.-M. 451

Chen, C.-M. 386
Chen, H.-N. 315
Cheng, S.-T. 386
Cho, E.-S. 512
Christensen, S. 224
Chung, K.-L. 315

Dhodhi, M. K. 152

Ellis, J. 40
El-Qawasmeh, E. 54

Fantechi, A. 191
Feijs, L. 274
France, R. 451

Garratt, P. W. 252
Gavoille, C. 243
Glaser, H. 252
Gorla, N. 81
Gysin, M. 430

Hartel, P. H. 252
Holyer, I. 168
Hwang, J.-J. 396

Ince, D. C. 24

John, L. K. 138

Kim, H.-J. 512, 524
Koriem, S. M. 206
Kuo, T.-W. 65

Lam, K.-y. 65
Lano, K. 451
Läufer, K. 469
Law, G. C. K. 65
Lim, E.-P. 364
Lin, C.-H. 396
Liu, D.-R. 396
Luccio, F. 121

Mackenzie, L. M. 411
Madria, S. 364
Mahafzah, M. 121
Manolopoulos, Y. 301, 325, 420
Manousaka, A. 420
Markov, M. 40
Martin, J. M. R. 13
Murtagh, F. 107

Nanopoulos, A. 301
Ng, W. K. 364
Noble, J. 439

Omari, M. 121
Ould-Khaoua, M. 411
Ounis, I. 1

Pagli, L. 121
Papatriantafilou, M. 130
Pehlivan, H. 168
Pengelly, A. D. 24
Petrucci, L. 224

Randell, B. 95
Russo, V. F. 469

Safavi-Naini, R. 430
Sarbazi-Azad, H. 411
Seberry, J. 430
Simoncini, L. 191
Song, S.-K. 81
Starck, J.-L. 107
Susilo, W. 430

Tambouratzis, T. 177
Tousidou, E. 301
Tsang, W.-H. 65
Tsigas, P. 130
Tzouramanis, T. 325

Ushijima, K. 290

Vassilakopoulos, M. 325

Xiang, L. 290

Younessi, H. 482

Zeadally, S. 251

Annual Author Index: 2000

Ahmad, I. 152
Ahn, J.-H. 524
Akl, S. G. 290
Alagić, S. 491
Ali, F. M. 152
Amati, G. 1
Ashman, H. L. 345

Baumgartner, G. 469
Berkovich, S. Y. 54
Bernardeschi, C. 191
Berry, M. W. 107
Bhowmick, S. S. 364
Borghuis, T. 274
Bruel, J.-M. 451

Chen, C.-M. 386
Chen, H.-N. 315
Cheng, S.-T. 386
Cho, E.-S. 512
Christensen, S. 224
Chung, K.-L. 315

Dhodhi, M. K. 152

Ellis, J. 40
El-Qawasmeh, E. 54

Fantechi, A. 191
Feijs, L. 274
France, R. 451

Garratt, P. W. 252
Gavoille, C. 243
Glaser, H. 252
Gorla, N. 81
Gysin, M. 430

Hartel, P. H. 252
Holyer, I. 168
Hwang, J.-J. 396

Ince, D. C. 24

John, L. K. 138

Kim, H.-J. 512, 524
Koriem, S. M. 206
Kuo, T.-W. 65

Lam, K.-y. 65
Lano, K. 451
Läufer, K. 469
Law, G. C. K. 65
Lim, E.-P. 364
Lin, C.-H. 396
Liu, D.-R. 396
Luccio, F. 121

Mackenzie, L. M. 411
Madria, S. 364
Mahafzah, M. 121
Manolopoulos, Y. 301, 325, 420
Manousaka, A. 420
Markov, M. 40
Martin, J. M. R. 13
Murtagh, F. 107

Nanopoulos, A. 301
Ng, W. K. 364
Noble, J. 439

Omari, M. 121
Ould-Khaoua, M. 411
Ounis, I. 1

Pagli, L. 121
Papatriantafilou, M. 130
Pehlivan, H. 168
Pengelly, A. D. 24
Petrucci, L. 224

Randell, B. 95
Russo, V. F. 469

Safavi-Naini, R. 430
Sarbazi-Azad, H. 411
Seberry, J. 430
Simoncini, L. 191
Song, S.-K. 81
Starck, J.-L. 107
Susilo, W. 430

Tambouratzis, T. 177
Tousidou, E. 301
Tsang, W.-H. 65
Tsigas, P. 130
Tzouramanis, T. 325

Ushijima, K. 290

Vassilakopoulos, M. 325

Xiang, L. 290

Younessi, H. 482

Zeadally, S. 251

Annual Subject Index: 2000

Access methods
  new spatio-temporal structure, overlapping linear quadtrees 325
Access path selection
  vertical fragmentation, genetic algorithm 81
Adaptive routing
  computing message latency in hypercubes 411
Algorithm
  adding recovery mechanisms to shells, `brush` 168
  automatic checking of **sat** clauses, verification of CSP processes 13
  automatic construction of class diagrams, object-oriented systems 482
  development for accepting new users and dynamic resource assignment 386
  genetic, vertical fragmentation and access path selection 81
  neighbour-finding, bincode-based images 315
  Shufflemerge, stable merging of lists, 'perfect shuffle' permutation 40
  TLS, intergration of list scheduling and tabu search 152
  generating regular k-ary trees 290
Approximate matching
  multi-attribute objects, error-correction coding 54
Asynchronous concurrent systems
  simulating handshaking using rainbow colouring 130
Automata theory
  automatic generation of protocol converters, interface equation 24

Binary images
  neighbour-finding algorithm, reconfigurable meshes 315
Binary relations
  modelling navigation information 345
B-trees
  fringe analysis, enhancing concurrency 420

Class diagrams
  automatic construction of, object-oriented systems 482
Classification
  video documents using video content 396
Clustering
  counter-clustering, proposal for training pattern selection 177
  detection of in high-dimensional data spaces, wavelet transform analysis 107
Conceptual graphs
  graph derivation interpretation of, first order logic Definite Horn Clauses 1
Concurrency
  control, new reduced ceiling protocol for RTDBSs 65
  fringe analysis of 2–3 trees with lazy parent split 420
Conflicts
  reduction of in interleaved memories, data placement schemes, module partitioning technique 138
Counter-clustering
  proposal for training pattern selection, harmony-theory artificial neural network 177
CSP
  verifying CSP networks with satchecker tool, **sat** clauses 13

Data visualization operators
  Web data warehousing, WHOWEDA 364
Databases
  optimising S-trees, performance estimation 301
  performance of centralized relational, genetic algorithm for access path selection 81
  RTDBSs with mixed transactions, new concurrency control protocol 65
  spatio-temporal, index mechanism, overlapping linear quadtrees, 325
Dimensionality
  clusters in high-dimensional data spaces, detection of by wavelet transform analysis, 107

Errors
  correction scheme for a fault-tolerant indexing 54

Fail-stop signature schemes
  using discrete logarithm and factorization, optimality and efficiency 430
Fault-tolerant techniques
  systems designs, specification and verification 191
Faults
  tolerance, computer systems designs 95
Fringe analysis
  2–3 trees with lazy parent split, enhancing concurrency 420

Graph derivation
  conceptual graphs, first order logic, PROLOG 1
Graphs
  globe, butterfly, masked interval routing scheme 121

Handshaking
  simulation of using rainbow colouring 130
Hypercubes
  wormhole-routed, computing message latency 411
Hypermedia
  representing link specifications and navigation 345

Images
  representation of by overlapping linear quadtrees 325
Indexing
  fault-tolerant, error-correction scheme 54
Information flow
  λ-calculus, MPTS framework, 274
Information retrieval
  approximate matching problems, error-correction scheme 54
Interactive systems
  undo and redo facilities, adding recovery mechanism to shells 168
Interval routing
  dilation of 243
  masked interval, new scheme, 121

Java
  programming by numbers 252
  QoS-aware applications, ATM networks 266
  structural conformance to interfaces 469

k-ary trees
  generating sequences for 290
Knowledge-based systems
  verification and modelling, fuzzy Petri nets 206

λ-calculus
  MTSN, MPTS framework, information flow 274
Language
  object-oriented system, based on temporal paradigm and declarative 491
  integration with object-oriented management systems, interface/implementation separation 512

Memory
  module partitioning technique, reducing interference in interleaved memories, memory bandwidth 138
Merging
  of lists *in situ*, Shufflemerge algorithm, 'perfect shuffle' permutation 40
Message latency
  wormhole-routed hypercubes, matrix-transpose traffic 411
Modeling
  and verification of knowledge-based systems, modified fuzzy Petri nets 206
  object-oriented, Fusion, Syntrophy 451
Module partitioning
  reducing interference in interleaved memories, increasing memory bandwidth 138

Navigation
  binary relations, representing link specifications 345
Neighbour-finding
  parallel algorithm, bincode-based images 315
Networks
  ATM, QoS-aware APIs 266
  information flow, MPTS framework 274
  interval routing schemes 243
  masked interval routing scheme, globe graph, butterfly graph 121

Object-oriented analysis
  modelling, Fusion, Syntrophy 451
Object-oriented database
  prefetch policy, dynamic SEOF, performance of 524
  object model for OODBPL, interface/implementation separation 512
Object-oriented programming
  Java, structural conformance to interfaces 469
  OODBPL, object model 512
  temporal logic, language system 491
Object-oriented protocols
  patterns for designing, interfaces 439
Object-oriented systems
  construction of class diagrams 482

Pattern classification
  counter-clustering for training pattern selection 177
Performance
  new concurrency control protocol for RTDBSs 65
Petri nets
  framework for modular analysis 224
  modified fuzzy, modeling technique for representing knowledged-based systems 206
Prefetching
  new policy, dynamic SEOF, performance of 524
Programming
  by numbers, ML, Java 252
Protocol
  design, object-oriented, messages and results 439
  engineering, automatic generation of protocol converters, interface equation 24

QoS
  Java applications, ATM networks 266

Rainbow colouring
  simulating handshaking, wait-free algorithms 130
Reconfigurable meshes
  neighbour-finding algorithm, binary images 315
Recovery
  mechanism for shells, accidental loss of files 168

Reduced ceiling protocol
new concurrency control protocol for RTDBSs 65

sat clauses
automatic checking of, satchecker tool for verifying CSP networks 13
Scheduling
intergration with tabu search for functional pipelining, TLS algorithm 152
Security
fail-stop signature schemes using discrete logarithm and factorization 430
Servers
multimedia, dynamic resource management 386
Shells
adding recovery mechanisms using an algorithm 168
Shufflemerge
algorithm for stable merging of lists,'perfect shuffle' permutation 40
Structural conformance
interfaces, Java 469
Systems designs
fault-tolerant, specification and verification 191

Tabu search
intergration with list scheduling for functional pipelining, TLS algorithm 152
Temporal logic
framework for object-oriented paradigm 491
specification and verification of fault tolerant system designs 191
Topology
automatic generation of protocol converters, interface equation 24
Training pattern selection
using counter-clustering 177
Trees
signature-based, optimising S-trees 301
Turing Memorial Lecture
fault tolerance, computer systems designs 95

Vector interference
reduction of, data placement schemes, memory module partitioning technique 138
Vertical fragmentation
access path selection, genetic algorithm 81
Video documents
classification using video content, hierarchical structure 396

Wait-free handshaking
using rainbow colouring 130
Wavelet transform analysis
cluster detection in high-dimensional data spaces 107
Web
data warehousing, WHOWEDA 364
WHOWEDA
data visualization operators, Web warehousing 364